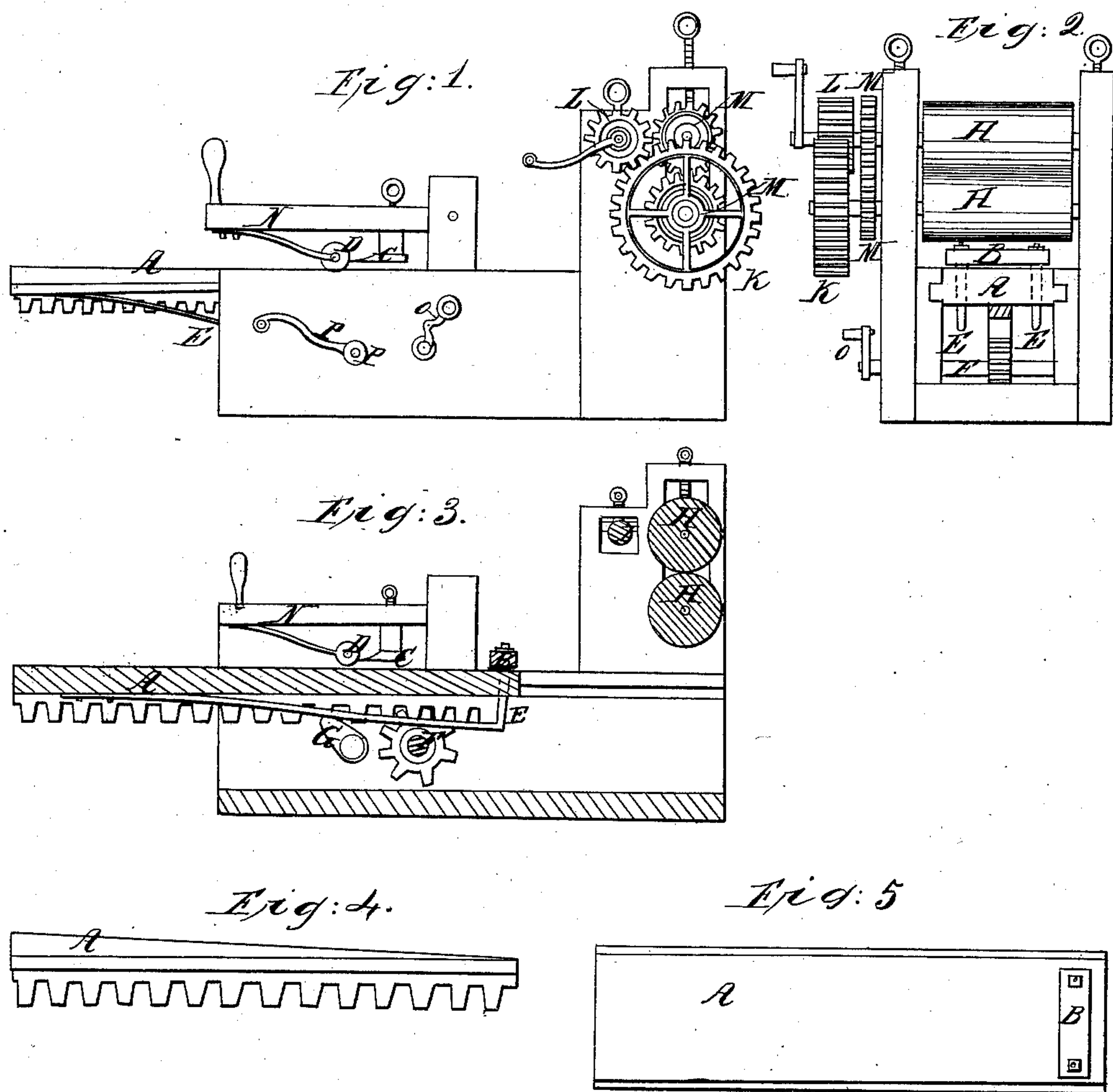


B. S. Mathers,
Shaving Leather,
No. 290. Patented Apr. 10, 1849.



UNITED STATES PATENT OFFICE.

BENJN. S. MATHEWS, OF STAMFORD, CONNECTICUT.

SKIVING LEATHER.

Specification of Letters Patent No. 6,290, dated April 10, 1849.

To all whom it may concern:

Be it known that I, BENJAMIN S. MATHEWS, of the county of Fairfield, town of Stamford, and State of Connecticut, have
5 invented a new and useful Skiving or Par-
ing Machine; and I hereby declare that the
following is a full and exact description.

To enable others to make and use my in-
vention I proceed to describe its construc-
10 tion and operation reference being had to
the drawings hereunto annexed and making
part of this specification.

Figure 1, side elevation of the machine;
Fig. 2, end elevation; Fig. 3, longitudinal
15 section; Fig. 4, the bevel bed, edge view;
Fig. 5, plan of the bed.

The purpose of this machine is to skive
or split leather—or trim it to a uniform
thickness or to cut it beveling for laps.

20 In any frame suitable there is placed a
bed, A, of plank, made to slide in and out
in grooves. Beneath it is a rack from end
to end in which acts the pinion, F, and
moves it back and forth by means of the
25 crank, O, Fig. 1. On this bed is laid the
piece of leather to be skived. The end is se-
cured beneath the clamp, B, which is held
firmly down by the springs, E. To raise
the clamp to put under or take out the
30 leather the crank, P, is lifted, moving the
cam, G, against the springs, which raises the
clamp. The blade, C, is attached to a bar
across the top of the machine beneath a
movable frame, N. The blade can be set to
35 a proper inclination by means of set screws.
Beneath this frame are two springs holding
the roller, D, which presses on the leather
close to the edge of the blade.

When the leather is secured on the bed or
40 carriage, A, by the clamps, B, the frame, N,

is pressed firmly down, which brings the
blade in the proper position and the crank,
O, being turned the carriage, A, is moved in
and the leather is skived. The bevel car-
riage Fig. 4 is used only when pieces are pre- 45
pared for splicing—by cutting them on a
bevel.

The rollers are for pressing the leather
after skiving.

The shaft, I, has a crank and pinion, L, 50
for driving them. The pinion, L, works in
the large wheel, K, on the shaft of which is
the under roller, H. The rollers and their
connecting pinions are alike. The opera-
tion is seen in Fig. 1. The pinion L driven 55
by the crank moves the large wheel, K, to
reduce the motion and the two connecting
pinions, M, equalize the motion of the two
rollers H.

In a machine set permanently in a shop 60
the crank, P, for working the cam, G, and
lifting the clamp, B, would be connected
with a treadle so as to be worked by the
foot.

What I claim and desire to secure by Let- 65
ters Patent is—

1. The combination of the blade, C, roller,
D, and inclined or horizontal carriage, A,
as seen in Figs. 4 and 3, for pressing down
and skiving to a bevel or to a level or even 70
thickness the leather, as described.

2. I also claim the combination of the
eccentric (G) and springs (E) with the
clamp (B) as an apparatus for confining
and disengaging the leather in the manner 75
above described.

BENJAMIN S. MATHEWS.

Witnesses:

OWEN G. WARREN,
I. DWIGHT STICKNEY.